

REMARKS

In the Office Action mailed July 10, 2007, the Examiner noted that claims 1-17 were pending, and rejected all claims. Claims 1, 2 and 5-17 have been amended, and, thus, in view of the forgoing claims 1-17 remain pending for reconsideration which is requested. No new matter has been added. The Examiner's rejections are traversed below.

In the Office Action, the Examiner rejected claims 1-17 under 35 U.S.C. section 112 paragraph 2 as indefinite. The claims have been amended in consideration of the Examiner's comments and it is submitted they satisfy the requirements of the statute. If additional concerns with the claims arise, the Examiner is invited to telephone to resolve the same. Suggestions by the Examiner are also welcome. Withdrawal of the rejection is requested.

In the Office Action the Examiner rejected claims 1-17 under 35 U.S.C. section 101 as non-statutory.

With respect to apparatus claims 1-12, the Examiner is requested to note that the claims are directed to actual hardware such as the "an addition circuit" of claim 1 that corresponds to a hardware adder (204, 245, etc of the figures) and that the claim calls for "outputs the two's complement of the multiplicand A as the result" of claim 1 which is a useful, concrete and tangible result accomplishing a practical application of producing a two complement number, something essential to fast subtraction operation. The remaining apparatus claims also recite similar hardware and results. As a result, it is submitted that the apparatus claims clearly fit within the statutory category of "machine" under 35 USC 101. Withdrawal of the rejection for this reason is requested. The apparatus claims 1-12 have also been amended in consideration of the Examiner's comments to recite a storage storing the result where the storage corresponds to the registers such as register 323.

For the method claims 13-17, the Examiner is requested to note that "outputting the two's complement of the multiplicand A as the multiplication result" as recited in claim 13 is a useful, concrete and tangible result accomplishing a practical application. The remaining method claims also recite similar useful, concrete and tangible results. The method claims have also been amended in consideration of the Examiner's comments to recite storing the result in a storage where the storage corresponds to the registers such as register 323.

It is submitted the claims satisfy the requirements of the statute. Withdrawal of the rejection is requested.

It is submitted that the claims satisfy the requirements of 35 U.S.C. 101 and 112. The claims are therefore in a condition suitable for allowance. An early Notice of Allowance is requested.

If any further fees, other than and except for the issue fee, are necessary with respect to this paper, the U.S.P.T.O. is requested to obtain the same from deposit account number 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: October 9, 2007

By: J. Randall Beckers
J. Randall Beckers
Registration No. 30,358

1201 New York Avenue, N.W., 7th Floor
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501